

## ABSTRACT

Enlarged image display by Jpeg is possible by a browser, compared to the Jpeg image processing. It is, however, difficult for the user to actually create an image of a scale desired by the user even if the image is visually large, since the scale is fixed.

If such a request is made, it is necessary to create an image of each required scale. It is possible to view a large image because the scale of image can be varied by the wavelet conversion based on extension mapping proposed here.

It is, here, easy for the user to create an image of a scale desired by the user. The image of each scale does not need to be created; and since an image of an arbitrary scale can be created from one image, an image of extension mapping can be readily created in response to the user's request.

With an image processing mechanism having such a function, a unique, novel dynamic image database can readily and freely be built. The system mechanism therein is also a system that has evolved in the form not expected by conventional methods.